5/39/2004 CCHAU1 00000028 09666110

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Serial No.:

ATENT

09/666,110

Confirmation No.:

1446

Applicant:

Korbin S. VAN DYKE, et al.

Title:

COMPUTER FOR EXECUTION OF TWO INSTRUCTION SETS

Filed:

September 20, 2000

Art Unit:

2183

Examiner: Richard Ellis

referred to therein, is being deposited with the United States Postal Service on June 25, 2004 as First Class Mail in an envelope with sufficient postage addressed to Mail Stop Non-Fee

I certify that this correspondence, along with any documents

Amendment, Commissioner for Patents, P.O. Box 1450,

Alexandria, VA 22313-1450.

Atty. Docket:

114596-26-0051BS

Customer No.

38492

INFORMATION DISCLOSURE STATEMENT

JUL 0 2 2004

Technology Center 2100

RECEIVED

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

- 1. In accordance with 37 C.F.R. §§1.56, 1.97 and 1.98, Applicant wishes to make of record the enclosed items, as listed on the accompanying Form PTO-1449. Applicant respectfully requests the Examiner to fully consider the items and independently ascertain their teaching before issuance of the next action, and to make them of record in the file. The Examiner is also requested to initial and return a copy of the enclosed Form PTO-1449 to evidence such consideration.
- 2. The references listed on the enclosed Form 1449 are references that have come to light in applications listed in the Information Disclosure Statement of November-December 2000. Applicant has not reviewed all of them in detail. Of those that have been reviewed, none of the references are believed to be any more pertinent than the references provided in earlier IDS' and Forms 1449. However, in an abundance of caution, Applicant requests that they be considered.
- 3. Applicant has listed publication dates on the attached Form PTO-1449 based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated. Applicant reserves the right to establish the patentability of the claims over any information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered. This Information Disclosure Statement should not be construed as a representation that information more material to the examination of this application does not exist.
- 4. For non-patent items listed on the enclosed Form PTO-1449 for which a copy is not already made of record in this application, a copy was previously cited by or submitted to the Patent and

Application Serial No. 09/666,110 Atty. Docket No. 114596-26-0051BS

Trademark Office in application Serial No. 09/239,194, filed January 28, 1999, Yates et al., Executing Programs for a First Computer Architecture on a Computer of a Second Architecture, in application Serial No. 09/322,443, filed May 28, 1999, Reese et al., Profiling of Computer Programs Executing in Virtual Memory Systems.

- 5. This Information Disclosure Statement is being filed more than three months after filing of this application and after the mailing of a first Office Action on the merits, but before the mailing date of a final action under 37 C.F.R. § 1.113, or a Notice of Allowance under 37 C.F.R. § 1.311 (where there has been no prior final action), or an action that otherwise closes prosecution in the application. A fee is due pursuant to 37 C.F.R. §1.97(c)(2).
- 6. A check in the amount of \$ 180.00 is enclosed in payment of the fee due under C.F.R. §1.17(p).
- 7. The Commissioner is hereby authorized to charge any additional fees that may be required for this Information Disclosure Statement, or credit any overpayment, to Deposit Account No. 23-2405, Order No. 114596-26-0051BS.

Respectfully submitted,

WILLKIE FARR & GALLAGHER, LLP

Dated: June 25, 2004

David E. Boundy Registration No. 36,461

WILLKIE FARR & GALLAGHER, LLP 787 Seventh Ave.
New York, New York 10019
(212) 728-8000
(212) 728-8111 Fax

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE INFORMATION DISCLOSURE CITATION PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO. 114596-26-0051BS

SERIAL NO. 09/666,110 RE(

APPLICANT

Korbin S. VAN DYKE, et al.

July 0 2 20**04**

JUN 2 8 2004 3

(Use several sheets if necessary)

FILING DATE September 20, 2000 GROUP ART UNIT 2183

Technology Johns 2100

						[Controlog] Co.
		U.S. PAT	ENT DOCUMENTS	S		
XAMINER: AT	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4,636,940	01/1987	Goodwin	717	128	Dec. 20, 1985
	4,750,112	06/07/1988	Jones	364	200	Feb. 10, 1984
	5,168,557	12/01/1992	Shibuya	712	207	Sep. 21, 1989
	5,241,638	08/31/1993	Mork	711	207	Aug. 12, 1995
	5,339,422	8/16/1994	Brender	714	4	Mar. 7, 1991
	5,355,487		Keller			
	5,386,563	01/31/1995	Thomas	712	228	Oct. 13, 1992
	5,404,476	04/04/1995	Kadaira	711	207	Mar. 9, 1993
	5,483,647	01/09/1996	Yu	713	100	Dec. 17, 1992
	5,487,156	01/23/1996	Popsescu	712	217	Dec. 5, 1990
	5,507,028	04/09/1996	Liu	395	375	Jan. 9, 1995
	5,560,013	09/24/1996	Scalzi	717	138	Dec. 6, 1994
	5,574,929	11/12/1996	Pieterse	712	30	Jun. 30, 1994
	5,590,309	12/31/1996	Chencinski	395	472	Apr. 1, 1994
	5,613,118	03/18/1997	Heisch	395	709	Jun. 20, 1994
	5,657,474	08/12/1997	Taine	711	163	Nov. 20, 1995
	5,659,782	08/19/1997	Senter	712	23	Sep. 16, 1994
	5,673,407	09/30/1997	Poland	395	375	Mar. 8, 1994
	5,732,238	03/24/1998	Sarkozy	711	135	Jun. 12, 1996
	5,742,780	04/21/1988	Caulk	395	382	Jan. 16, 1997
	5,764,947	06/09/1998	Murphy	703	20	Mar. 2, 1994
	5,768,500	6/16/1998	Agrawal	714	47	Jun. 20, 1994
	5,781,758	07/14/1998	Morley	395	500	Mar. 23, 1995
	5,802,337	09/01/1998	Fielden	712	216	Dec. 29, 1995
	5,805,877	09/08/1998	Black	395	586	Sep. 23, 1996
	5,812,864	09/22/1998	McCoy	703	26	Dec. 6, 1995
	5,815,720	9/29/1998	Buzbee	717	158	Mar. 15, 1996
	5,819,064	10/06/1998	Razdan	703	27	Nov. 8, 1995
	5,854,913	12/29/1998	Goetz	712	210	Jun. 10, 1997
1	5,870,763	02/09/1999	Lomet	707	202	Mar. 10, 1997
	5,903,751	05/11/1999	Hoyt	395	585	Sep. 16, 1997
	5,911,073	06/08/1999	Mattson	395	701	Dec. 23, 1997
		\	'			-,

JUN 2 8 2004 \$

FORM TO-1449

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO. SERIAL NO. 114596-26-0051BS 09/666,110 APPLICANT

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

APPLICANT
Korbin S. VAN DYKE, et al.

FILING DATE
September 20, 2000
2183

	(Use several sheets if necessary)		September 20, 2000		GROUP ART UNIT	
		IIC DAT			2183	
EXAMINER	DOCUMENT NUMBER	DATE DATE	ENT DOCUMENTS	1	GUDGY - GG	FILING DATE
INITIAL		02/1996	NAME	CLASS	SUBCLASS	IF APPROPRIATE
	5,941,827		Holtey	711	163	Jan. 14, 1994
	5,960,198	Sep. 28, 1999	Roediger	717	130	Mar. 19, 1997
	5,968,162	10/19/1999	Yard	712	203	Apr. 2, 1996
	6,002,872	12/14/1999	Alexander	717	127	Mar. 31, 1998
	6,006,033	12/21/1999	Heisch	717	158	Aug. 15, 1994
	6,006,277	12/21/1999	Talati	709	313	Jan. 26, 1996
	6,021,484	02/01/2000	Park	712	41	Nov. 14, 1997
	6,044,220	03/28/2000	Breternitz	717	139	Feb. 25, 1997
	6,047,363	04/2000	Lewchuk	711	213	Oct. 14, 1997
	6,052,771	4/18/2000	Heller	712	34	Jan. 20, 1998
	6,076,144	6/13/2000	Peled	711	125	Dec. 1, 1997
	6,092,188	07/18/2000	Corwin	712	239	Jul. 7, 1999
	6,115,809	09/05/2000	Mattson	712	239	Apr. 30, 1998
	6,119,204	9/12/2000	Chang	711	141	Jun. 30, 1998
	6,141,683	10/31/2000	Kraml	709	220	Jan. 30, 1998
	6,195,748	02/27/2001	Chrysos	712	227	Nov. 26, 1997
	6,202,205	03/13/2001	Saboff	717	9	Jul. 21, 1998
	6,205,545	03/20/2001	Shah	712	237	Apr. 30, 1998
	6,212,493	04/03/2001	Huggins	703	22	Dec. 1, 1998
	6,233,678	05/15/2001	Bala	712	240	Nov. 5, 1998
	6,256,728	07/03/2001	Witt	712	236	Jul. 6, 1998
	6,260,191	07/10/2001	Santhanam	717	9	Apr. 7, 1997
	6,295,644	09/25/2001	Hsu	717	9	Aug. 17, 1999
	6,298,477	10/02/2001	Kessler	717	145	Oct. 30, 1998
	6,304,948	10/16/2001	Motoyama	711	162	Oct. 6, 1998
	6,308,321	10/23/2001	Schooler	717	132	Dec. 11, 1998
	6,336,135	01/01/2002	Niblett	709	215	Nov. 19, 1998
	6,351,844	2/26/2002	Bala	717	128	Nov. 5, 1998
	6,353,924	03/05/2002	Ayers	717	128	Feb. 8, 1999
	6,363,336	03/26/2002	Banning	703	26	Oct. 13, 1999
	6,374,367	03/26/2002	Dean	714	37	Nov. 26, 1997
EXAMINER			DATE CONSIDER		<u> </u>	RECEIVE
			DATE CONSIDERED		_	JUL 0 2 2004

JUN 2 8 2004 \$

FORMO 10-1449

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO. SERIAL NO. 114596-26-0051BS 09/666,110

APPLICANT

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Korbin S. VAN DYKE, et al.

FILING DATE GROUP ART UNIT

			September 20, 2	2000	2183		
		U.S. PAT	ENT DOCUMENTS	S			
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	6,381,628	04/30/2002	Hunt	709	201	Nov. 20, 1998	
	6,381,735	04/30/2002	Hunt	717	158	Nov. 20, 1998	
	6,453,292	09/17/2002	Ramaswamy	704	235	Oct. 28, 1998	
	6,470,442	10/22/2002	Arimilli	712	32	Jul. 30, 1999	
	6,473,846	10/29/2002	Melchior	711	170	Jun. 16, 2000	
	6,549,930	04/15/2003	Chrysos	709	104	Nov. 26, 1997	
	6,557,094	04/29/2003	Pechanek	712	209	Sep. 28, 2001	
	6,560,693	05/06/2003	Puzak	712	207	Dec. 10, 1999	
	6,591,414	07/08/2003	Hibi	717	151	Oct. 3, 1997	
	6,631,518	10/07/2003	Bortnikov	717	158	Mar. 19, 1997	
	OTHER DOO	CUMENTS (Includi	ng Author, Title, Date	e. Pertinen	t Papers. F	Etc.)	
	Sensitive Profi Language Des Dean, ProfileM	Ammons, Ball and Larus: Exploiting Hardware Performance Counters with Flow and Context Sensitive Profiling, Proceedings of the ACM SIGPLAN 1997 Conference on Programming Language Design and Implementation, pp. 85-96 (1997) Dean, ProfileMe: Hardware Support for Instruction-Level Profiling on Out-of-Order Processors, IEEE 1997, pp. 292-302					
	Reiner W. Har Structural Prog	Reiner W. Hartenstein, Jürgen Becker: Performance Analysis in CoDe-X Partitioning for Structural Programmable Accelerators; Proc. of 5th Int'l Workshop on Hardware/Software Co-Design CODES/CASHE '97, Braunschweig, Germany, p. 141 (March 1997)					
	Hollingsworth, Critical Path Profiling of Message Passing and Shared-Memory Progra Transactions on Parallel and Distributed Systems vol. 9, no. 10, pp. 1029-1040 (Octob						
	Intel Corporation 2-20	Intel Corporation, Intel Processor Family Developer's Manual (1997), pages 1-1 to 1-6, 2-1 to					
		Intel Corporation, Intel Processor Family Developer's Manual (1997), vol. 3 (Architecture and Programming Manual), pages 3-1 to 3-3, 3-10 to 3-13, 12-1 to 12-27, 14-1 to 14-30					
	Jones, Puzzlin pp. 8-12 (1983		ACM SIGARCH Com	nputer Arc	hitecture N	ews, vol. 11, no. 5,	
			orking Set Characteria national Symposium c				
			DAME CONSTRUCT				

DATE CONSIDERED

JUL 0 2 2004

RECEIVED

Technology Center 2100

EXAMINER

JUN 2 8 2004 \$

FORM PTO 1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 114596-26-0051BS	SERIAL NO. 09/666,110				
	TION DISCLOSURE CITATION	APPLICANT					
INFORMA	(Use several sheets if necessary)	Korbin S. VAN DYKE, et al. FILING DATE GROUP ART UNIT					
	(Ose several sheets if necessary)	September 20, 2000	GROUP ART UNIT 2183				
12	OTHER DOCUMENTS (Including A		·				
	M. Lipasti and J. Shen. Exceeding the Symposium on Microarchitecture, page	Data-Flow Limit Via Value Prediction, 29th International ges 226-237, IEEE (Dec. 1996)					
	Magnusson and Werner, Efficient Memory Simulation in SimICS, Proceedings of the 28th Annual Simulation Symposium, IEEE, pp. 62-73 (1995.						
	Mueller, Rustagi and Baker: MiThOS - A Real-Time Micro-Kernel Threads Operating System, IEEE Real-Time Systems Symposium 1995: pp. 49-55 (1995)						
	Park et al., Evaluation of Scheduling Techniques on a SPARC-Based VLIW Testbed, Proceedings of the 30th annual ACM/IEEE international symposium on Microarchitecture, pp. 104-113 (1997)						
	Parkinson and Parameswaran, Profiling in the ASP Codesign Environment, Proceedings of the 8th International Symposium on System Synthesis, Cannes, France, p.128-133 (Sept. 1995)						
	Rizvi et al., Execution-Driven Simulation of a Superscalar Processor, IEEE Proceedings of the 27th Annual Hawaii International Conference on System Sciences, pp. 185-194 (1994)						
	Veen: Dataflow Machine Architecture, ACM Computing Surveys vol. 18 no. 4 pp. 365-96 (December 1986)						
			RECEIVED				
			JUL 0 2 2004				
		Te	chnology Center 2100				
		-					
			1.00				
			<u> </u>				
EXAMINER	D _A	DATE CONSIDERED					